

Concentrations of Trace Elements in Waters of the Bay/Delta Estuary (ppb)

Trace Element	Range of Total Concentrations	State Water Quality Objective Upstream of San Pablo Bay	Any Samples Exceeding State Water Quality Objectives?
Cadmium	0.005 - 0.159	1.1 (4D); 3.9 (1H)	No
Copper	0.9 - 7.2	6.5 (4D); 9.2 (1H)	Yes
Mercury	0.001 - 0.032	0.025 (4D); 2.4 (1H)	Yes
Selenium	0.013 - 4.700	--	--
Zinc	1.4 - 17.4	38 (1D); 170 (Inst.)	No

Dashes indicate that either reliable data or water quality objectives do not exist.

4D = Four day average

1H = One hour average

Inst. = Instantaneous value

Source: Monroe, Michael W., Judy Kelly, and Nina Lisowski. 1992. State of the Estuary. San Francisco Estuary Project. 270 pp.

Concentrations of Trace Elements in San Francisco Bay Sediments (ppm)

Trace Element	Mean	Range
Cadmium	1.06	0.02 - 17.3
Copper	51	1 - 1500
Mercury	0.5	<0.01 - 6.80
Selenium	--	0.001 - 0.035
Zinc	~ 100	< 100 - 1255

Dashes indicate that data are not available.

Source: Monroe, Michael W., Judy Kelly, and Nina Lisowski. 1992. State of the Estuary. San Francisco Estuary Project. 270 pp.